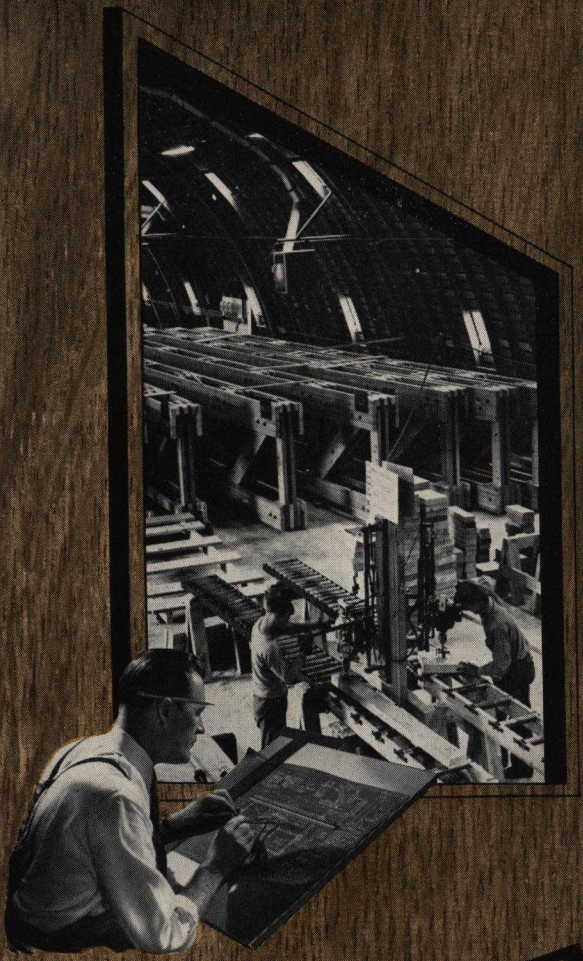


Monsanto SANTOPHEN 20

PENTAchlorophenol

For Preserving Wood in INDUSTRIAL CONSTRUCTION

MONSANTO
CHEMICALS — PLASTICS

WHAT IS

SANTOPHEN 20

Santophen 20 is the name Monsanto has given to the chemical, pentachlorophenol—often shortened to "penta." The name pentachlorophenol comes from the two chemicals it is derived from, chlorine and phenol. These two materials, when chemically combined are highly toxic to termites, Lyctus powder post beetles and wood destroying organisms.

Monsanto SANTOPHEN 20

PENTAchlorophenol

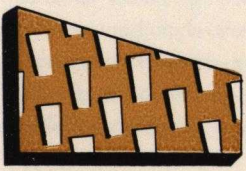
For Preserving Wood in

INDUSTRIAL CONSTRUCTION

Wood is man's most versatile building material. Because it is easy to saw, nail and work in other ways it is being used in vast quantities in industrial construction. From the laboratory has come a chemical to make good wood better — pentachlorophenol or "penta." Because of its high toxicity to wood destroying organisms, termites and powder post beetles, penta is fast obtaining wide use wherever wood preservation is required.

The tremendous annual cost for the replacement of wood destroyed by decay and termites, and the desire to provide wood in new construction with lasting protection, are the reasons industry is specifying penta treatment of new lumber ordered.

Developed in the laboratory, proved first under controlled field tests and then through years of use, penta has gained wide acceptance in industry. Being a fixed chemical, it can be analytically determined and reproduced exactly the same every time . . . to give exactly the same complete and lasting protection.

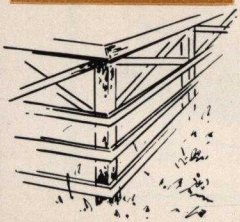


There are literally hundreds of places where penta can be used to protect wood. On the following pages are listed just 20 applications. You will recognize from these suggestions many places where you can use penta treated wood in your plant. When ordering replacement lumber, or when specifying lumber for new construction, tell your lumber dealer, architect or contractor you want penta treated wood. If you would like to know more about wood preservation with penta, write Monsanto Chemical Company, St. Louis 4, Missouri.

Advantages of PENTA

Penta will not dry out or wash away. Wood treated with it has no objectionable chemical odor and is clean to handle. Properly treated with penta, wood will not bleed nor will it stain other materials on contact. Penta treated wood is paintable, too, depending upon the carrier oils used in treating.

Fences and Posts

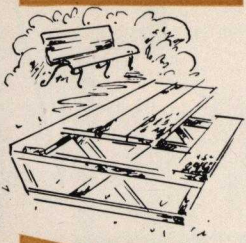


Protective fencing, guard rails, supporting posts and timbers are open to attack the moment they are installed unless protection is provided. Economical and effective penta treatment insures long life.

Ice Plants and Storage Houses

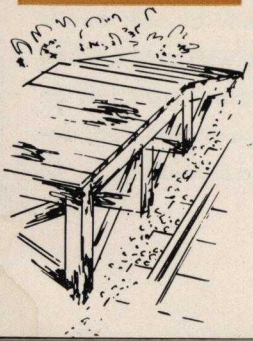
Manufacture of ice as well as its storage offers ideal conditions for fungus growth — darkness and high humidity. That is why wood in ice plants and ice storage facilities should always be protected with penta.

Picnic and Park Benches



Motels, trailer courts, picnic ground owners and park services are familiar with the rot that gets at benches, tables and other facilities made of wood. Best way to prevent attack is to specify penta processed wood.

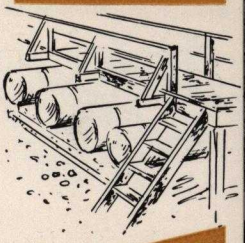
Platforms and Decking



Often, before ordinary wear will cause timbers to be replaced, rot organisms that eat wood and thrive on moisture will get to timbers in platforms and decking. Protect with penta.

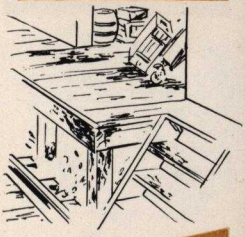
Catwalks and Railings

Erected for safety, catwalks and railings can become dangerous if permitted to rot and decay. Make the wood safe and the walkways are safe. Penta helps make wood safe.



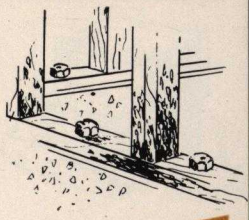
Loading Docks

The loading dock is no place for weak wood. Heavy traffic and use causes plenty of wear, requires the best possible construction. Good construction requires good wood that will resist decay. Treat with penta.



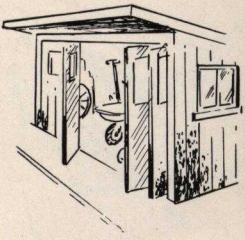
Sills • Plates Joists

One of the biggest danger zones for wood is at points where moisture collects and invites growth of rot organisms. All wood in places where dampness is present should be protected permanently with penta.

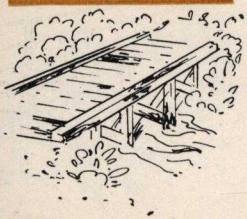


Tool and Machinery Sheds

Some buildings, because they are not a part of the major plant, are occasionally neglected — but they are costly to replace. Simply by specifying penta treated wood you can be assured of a lasting defense against decay and termites.

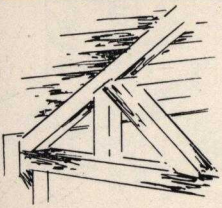


Trestles and Bridges



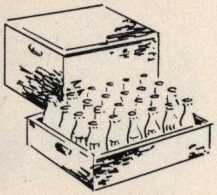
The costly work of replacing timbers eaten away by termites or decay can be prevented by thorough treatment with penta. Such treatment can extend the useful life of trestle and bridge members two or three times.

Rafters and Roofing



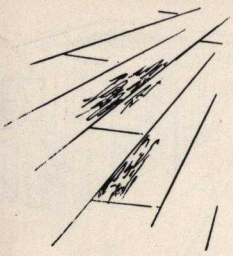
In any industry where wet processing is involved, look out for fungus on rafters and roofing. Industries where wood is particularly susceptible to attack are; laundries, paper mills, textile mills, tanneries, breweries, and ice plants. Prevent expensive replacements. Protect first with penta.

Soft Drink and Beer Cases



Beverage cases left in places where water collects are subject to rot because the sodden wood is wide open to fungi attack. Life and good appearance of these cases can be appreciably extended through the use of penta treated wood.

Factory Flooring

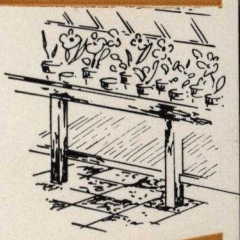


Floors and sub flooring are often the victims of fungi attack. The normal washing down that is a part of good housekeeping can cause enough moisture to collect to encourage such attack. When replacement is needed or new construction begun, specify penta treatment for the wood.

Telephone and Electrical Poles

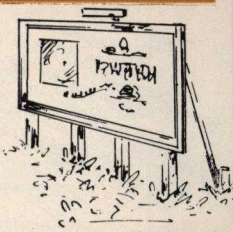
Penta treatment for poles gives lasting protection, assures clean surfaces for linemen to work around.

Greenhouses



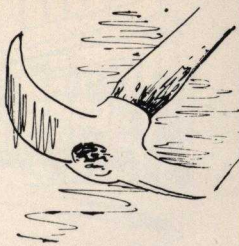
The greenhouse, another of the many places where high humidity is encountered, is a good place to protect from fungi attack with penta. Benches, walks, wood sash and other greenhouse construction made of wood all should receive penta protection.

Signs and Billboards



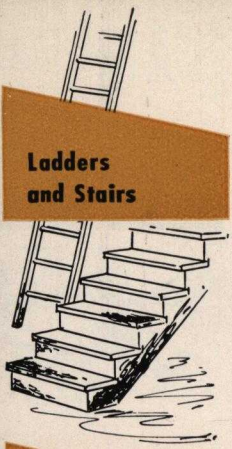
The elements are hard on wood. Often signs give way because fungi or termites have attacked supports at the ground line. Extending the life and usefulness of this wood many years can be assured with penta treatment.

Tool Handles



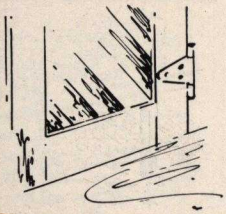
Pick, axe, hammer and shovel handles are prey to Lyctus powder post beetles. Heavy attack can end the handle's usefulness and require replacement. Treatment with penta beforehand prevents infestation.

Ladders and Stairs



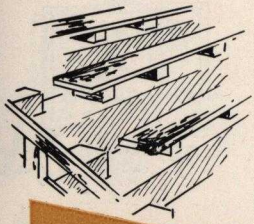
Tragic things can happen through the failure of stairs and ladders caused by rotted wood. *Before* accidents take place is the best time to repair and rebuild with penta treated wood.

Sash and Doors



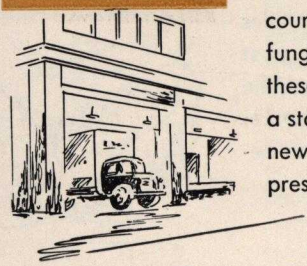
The sash and door industry was one of the first to use penta as a wood preservative. Penta helps wood withstand rot. Initial treatment of the wood avoids costly replacements.

Grand Stand and Stadium Buildings

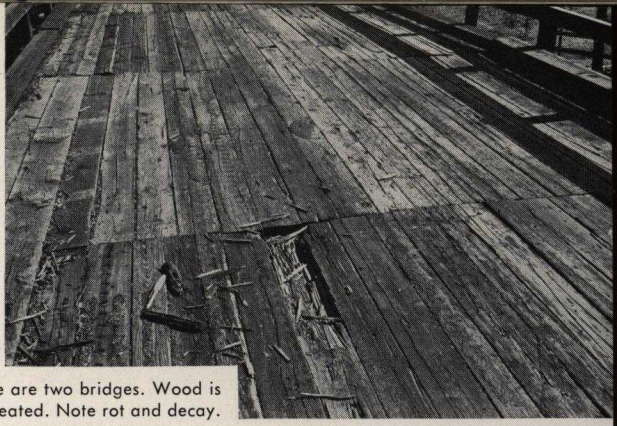


In many places stadium buildings and grandstands are unused three seasons of the year because of weather. These weather conditions encourage rot. Before rot gets a chance to make seats and supports dangerously unsafe, replace with wood, penta treated.

Warehouses and Graineries

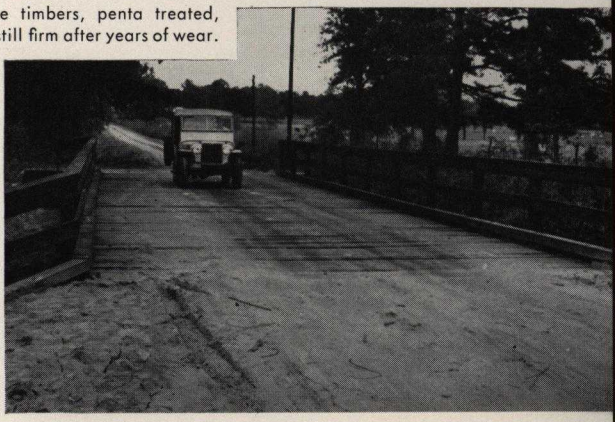


Darkness and poor ventilation encourage dampness. Dampness invites fungi and termite attack. To prevent these wood destroyers from getting a start specify penta treated wood in new construction. Replace with wood preserved this way.



Here are two bridges. Wood is untreated. Note rot and decay.

These timbers, penta treated, are still firm after years of wear.



Specify PENTA Treatment

For the best possible protection of the wood you buy, specify that it shall be treated with a 5%, by weight, solution of penta in oil, by methods which will assure proper impregnation of the wood. If you would like information about:

- **How to specify penta for wood for a given use.**
- **Where to obtain penta treated wood products.**
- **Where to obtain penta treating solutions.**

Write...

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